

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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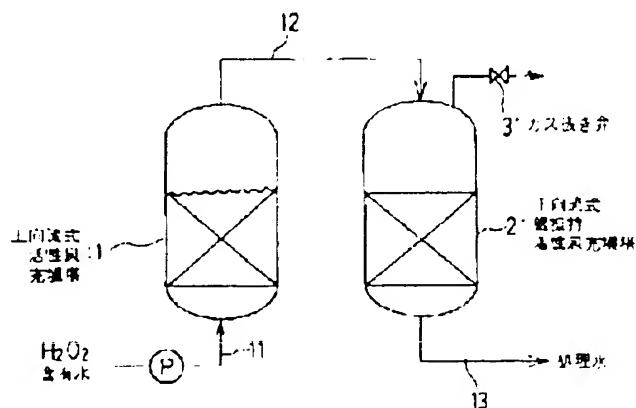
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TITLE : METHOD FOR DECOMPOSING  
 HYDROGEN PEROXIDE



**ABSTRACT :** PURPOSE: To prevent a channelling phenomenon in a column filled with activated carbon due to oxygen bubbles generated by the decomposition of H<sub>2</sub>O<sub>2</sub> and to conduct the treatment stably for a long period of time with a slime trouble controlled in the decomposition of H<sub>2</sub>O<sub>2</sub> by passing water containing H<sub>2</sub>O<sub>2</sub> through the column filled with activated carbon.

**CONSTITUTION:** Water containing H<sub>2</sub>O<sub>2</sub>, after being passed through a column 1 filled with activated carbon, is passed through a column 2 filled with silver- carrying activated carbon. Since H<sub>2</sub>O<sub>2</sub> remains in the column 1, there occurs no problems of slime generation. In the column 2 in which the decomposition of H<sub>2</sub>O<sub>2</sub> is completed, the slime generation is prohibited due to the antimicrobial activity of the silver. Oxygen bubbles are expelled efficiently from the column 1 by a large space velocity of water passage.

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